

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Grant Street Fire Site - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region I

Subject: POLREP #16
Final
Grant Street Fire Site
01LY
Bridgeport, CT
Latitude: 41.1917180 Longitude: -73.1702359

To: Polrep Distribution, USEPA-R1

From: Daniel Burgo, OSC

Date: 6/2/2016

Reporting Period: 4/15/2016 - 05/10/2016

1. Introduction

1.1 Background

Site Number:	01LY	Contract Number:	
D.O. Number:		Action Memo Date:	8/20/2015
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	10/19/2015	Start Date:	10/19/2015
Demob Date:	5/10/2016	Completion Date:	5/10/2016
CERCLIS ID:	CTN000100933	RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Time-Critical Removal Action

1.1.2 Site Description

There is a two story 200'x 500' structure that was partially destroyed by a fire in September 2014 situated in a 2 acre lot.

The site was occupied by three tenants, a perfume/soap chemical reseller (Rowayton Trading Company), a roofing company (JWC Roofing), and a property maintenance company (LA Barnaby LLC). The Rowayton Trading Company serviced the manufacturing industries as an international trader of chemicals and raw materials.

1.1.2.1 Location

25 Grant St
Bridgeport, Fairfield County, Connecticut 06610

1.1.2.2 Description of Threat

Records indicate the building contained approximately 1,000 55 gallon drums with chemicals of varying quantities. The PRP provided a list of 2,000 different chemicals that could have been stored at the Site during the time of the fire. These products were used in the production and recycling processes within the facility. After the fire many drums and co-mingled building debris remain.

Due to the firefighting activities, an estimated 18,000 gallons/minute rate of water (for a total of over 20 million gallons) were put on the fire. A large amount of water still remained inside the building. The firefighting water is commingled with materials from the burst drums.

The impacted waterways are the Yellow Mill Canal which runs north to south and is located west of the site, Bridgeport Harbor located south of the site, and Long Island Sound located south of the site. The canal discharges into Bridgeport Harbor and flows into the Long Sound.

There are two schools and a hospital located within two blocks of the site; the building is bordered by a residential area to the east.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

On June 8-9, 2015, an EPA On-Scene Coordinator (OSC) and START mobilized to the Site to initiate a Preliminary Assessment/Site Investigation (PASI). START personnel collected drum samples and soil/sludge samples in accordance with the Site-specific sampling plan. START performed a field screening and characteristic analysis on the samples. The results are summarized in Table 1.

Table 1 - Hazcat Sample Results

Sample ID	PID Reading	FID Reading	PH	Flashpoint
D-01	0-5 ppm	0-5 ppm	NA	No Flash
D-02	210 ppm	400 ppm	NA	Flashed
D-03	45 ppm	7 ppm	NA	Flashed

D-04	0 ppm	4.2 ppm	NA	No Flash
D-05	15 ppm	175 ppm	NA	Flashed
D-06	8 ppm	150 ppm	NA	Flashed
D-07	120 ppm	400 ppm	NA	Flashed

PID = Photoionization Detector FID = Flame Ionization Detector

All samples (D-01 through D-07) and (S-01 through S-03) were submitted to the EPA Office of Environmental Measurement and Evaluation (OEME) Laboratory in North Chelmsford, Massachusetts (MA). The samples were submitted for VOC, SVOC, polychlorinated biphenyl (PCB), metals analyses, including for mercury, pH, and flashpoint.

Analytical results of the drum samples collected from the Site indicated the presence of the following two VOCs [maximum concentration, in micrograms per Kilogram (µg/Kg), in parentheses]: para-isopropyltoluene (1,100,000 µg/Kg); and naphthalene (5,290,000 µg/Kg) (see Table 2). Analytical results of the drum samples collected from the Site indicated the presence of the following five SVOCs [maximum concentration, in milligrams per Kilogram (mg/Kg), in parentheses]: benzyl alcohol (21,000 mg/Kg); acetophenone (590 mg/Kg); benzoic acid (1,700 mg/Kg); naphthalene (5,100 mg/Kg); and diethylphthalate (160,000 mg/Kg) (see Table 3).

Analytical results of the soil/sludge samples collected from the Site indicated the presence of the following VOC (maximum concentration, in µg/Kg, in parentheses): para-isopropyltoluene (110,000 µg/Kg) (see Table 2). Analytical results of the soil/sludge samples collected from the Site indicated the presence of the following SVOC (maximum concentration, in mg/Kg, in parentheses): diethylphthalate (660 mg/Kg) (see Table 3).

During CT DEEP's oversight of the PRP, their contractor, Facility Support Services, collected drum samples and samples of suspected Asbestos Containing Material (ACM), roofing paper/sheeting materials. The samples identified Chrysotile Asbestos at 35%-70%, and the drum sampling identified flammable liquids.

Table 2
Summary of Volatile Organic Compounds Results
Drum and Soil/Sludge Samples

SAMPLE LOCATION:	D-02	D-05	D-06	D-07	S-03	RML HQ 3 ^[1] µg/Kg
LABORATORY NUMBER:	1019-0002	1019-0005	1019-0006	1019-0007	1019-0010	
SAMPLE NUMBER:	AB56688	AB56691	AB56692	AB56693	AB56696	
PARAMETER						
Para-isopropyltoluene	ND	1,110,000	880,000	59,000	110,000	NA
Naphthalene	5,290,000	ND	ND	ND	ND	1,700,000

[1] [1] A 10⁻⁴ risk level corresponds to the upper-end of EPA's generally acceptable risk range of 10⁻⁶ to 10⁻⁴ as discussed in the National Contingency Plan (NCP), 40 CFR 300.430. The NCP gives no analogous recommended range for non-carcinogenic risks. However, an HQ of 3 is generally considered a reasonable risk level for Removal Management Levels (RMLs) for non-carcinogenic chemicals based on the discussion of uncertainty included in EPA's definition of the non-carcinogenic Reference Dose (RfD) and Reference Concentration (RfC). See Regional Removal Management Levels for Chemicals (RMLs), June 2014, available at <http://www.epa.gov/region4/superfund/programs/riskassess/rml/rml.html>

[1] TOXICOLOGICAL PROFILE FOR NAPHTHALENE, 1-METHYLNAPHTHALENE, AND 2-METHYLNAPHTHALENE. By U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Public Health Service Agency for Toxic Substances and Disease Registry.

<http://www.atsdr.cdc.gov/ToxProfiles/tp67.pdf>

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

See previous POLREP for the initial emergency response information, current onsite activities to date are summarized below.

2.1.2 Response Actions to Date

Week of 18 April 2016

Activities for the week included:

- Conducting a daily health, safety, and operations meeting.
- Conducting perimeter air monitoring.
- Photodocumenting site activities and conditions.
- Dismantling and staging of Drum Consolidation Area No. 2 liner and berm material.
- Transporting and disposal of semi-solid materials and RCRA empty drums.

On 19 April 2016, SRS Trucking, Inc. arrived on site for disposal of a 30-yd³ roll-off of RCRA empty drums (Manifest No. RCRA Empty-0005). Tradebe Environmental Services, Inc. arrived on site for transport of semi-solid material via tanker truck. Approximately 3,800 gallons of product, from 139 drums, was collected by Tradebe for off-site disposal (Manifest No. Item3+4-0005).

On 21 April 2016, Tradebe Environmental Services, Inc. arrived on site for transport of semi-solid material via tanker truck. Approximately 2,116 gallons of product, from 73 drums, was collected by Tradebe for off-site disposal (Manifest No. Item 3+4-0006).

Week of 25 April 2016

Activities for the week included

- Conducting a daily health, safety, and operations meeting.
- Conducting perimeter air monitoring.
- Photodocumenting site activities and conditions.
- Transporting and disposal of solids in containers and RCRA empty drums.
- Scraping soils and floor solids from concrete slab.
- Staging scrap metal in a pile on the former building slab.

On 25 April 2016, Tradebe Environmental Services, Inc. arrived on site for the transport of a 20-yd³ roll-off of solids in containers (Manifest No. Item1-0010).

On 26 April 2016, SRS Trucking, Inc. arrived on site for the transport of a 30-yd³ roll-off of RCRA empty drums (Manifest No. RCRA Empty-0006).

On 29 April 2016, BFD Fire Inspector Henry Polite arrived on site to speak with OSC Burgo regarding a list of chemicals on site, as provided by the property owner to EPA. ERRS scraped remaining material off of the concrete slabs, added the material to the floor solids staging pile, and consolidated remaining scrap metal

Week of 2 May 2016

Activities for the week included:

- Conducting a daily health, safety, and operations meeting.
- Conducting perimeter air monitoring.
- Photodocumenting site activities and conditions.
- Transporting and disposal of floor solids, C&D material, RCRA empty drums, and hazardous waste.
- Scraping soils and floor solids from concrete slab.
- Staging scrap metal in a pile on the former building slab.

On 2 May 2016, SRS Trucking, Inc. arrived on site and transported three trailers of C&D material and floor solids material (Manifest No. Debris-0001, Debris-0002, and FS-0047) for off-site disposal. SRS Trucking, Inc. arrived on site for disposal of a 30-yd³ roll-off of RCRA empty drums (Manifest No. RCRA Empty-0010).

On 3 May 2016, Clean Venture, Inc. arrived on site and transported benzene/flammable waste and 1,1-dichloroethylene/trichloroethylene waste (Manifest No. 01562387JJK and 156236389JJK, respectively) for off-site disposal at Cycle Chem, Inc. located in Elizabeth, New Jersey. Tradebe Environmental Services, Inc. arrived on site for the transport of a 20-yd³ roll-off of solids in containers (Manifest No. Item1-0012). SRS Trucking, Inc. arrived on site and transported three trailers of floor solids material (Manifest No. FS-0048 through FS-0050) for off-site disposal.

On 4 May 2016, SRS Trucking, Inc. arrived on site and transported two trailers of floor solids material (Manifest No. FS-0051 and FS-0053) for off-site disposal.

On 5 May 2016, SRS Trucking, Inc. arrived on site and transported four trailers of floor solids material (Manifest No. FS-0052, FS-0053, FS-0053A, and FS-0054) for off-site disposal.

On 6 May 2016, SRS Trucking, Inc. arrived on site and transported one trailer of floor solids material (Manifest No. FS-0055) for off-site disposal. ERRS blocked the western access road with stone and staged equipment for demobilization.

Week of 9 May 2016

Activities for the week included:

- Conducting a daily health, safety, and operations meeting.
- Photodocumenting site activities and conditions.
- Demobilizing equipment and personnel.

On 9 May 2016, GES demobilized the excavator, level A trailer, and skid steer. Hillview Rental was on site demobilizing the 3-yd³ Front End Loader and the double-walled fuel cells. The generator was disconnected and demobilized by Sunbelt Rentals. William Scotsman was scheduled to be on site to remove the two office trailers and the storage container. START photodocumented final site conditions and demobilized with equipment and instruments.

The site was completely demobilized on May 10, 2016.

Total Disposal Count based on current information:

Total drums – 3,164

Item 1 – 11 roll offs 154 tons (solids in containers)

Item 2 – four tanker trucks 18,061 gallons (nonhazardous organic liquids)

Item 3&4 – 5 Vactor trucks 12,756 gallons (viscous liquids/sludge)

Floor solids – 56 truckloads 1,344 ton

Asbestos – 3 tons

C&D debris – 715 cubic yards 11 truck loads

Hazardous Waste – 10 waste streams – 57 drums and 13 totes containing 3,575 gallons

Hazardous waste identified on site and disposed of included: asbestos; 1,1-dichloroethylene; trichloroethylene; benzene; selenium; heptachlor epoxide; waste ethanol; and various flammable liquids. Additional wastes identified on site and disposed of included, but were not limited to: acetone, benzaldehyde, corrosives, di-n-butylphthalate, diethylphthalate, naphthalene, polychlorinated biphenyls (PCBs), pyrene, and toluene.

All waste, excluding scrap metal, encountered in the fire-damaged portion of the building footprint was removed, stockpiled, categorized, and disposed of to facilitate safe removal activities by EPA and EPA contractors. Wipe sampling was conducted on the scrap metal and submitted for analysis; once determined to be non-contaminated, scrap metal was staged for recycling that would be coordinated by the property owner.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

Rowayton Trading Company - Operator
25 Grant St LLC. - Property Owner

2.1.4 Progress Metrics

All progress metrics are in file, 0061_Grant Street Fire Site_Waste Summary Table.xlsx located in the Documents section of the Grant Site Fire Site EPA OSC webpage. A direct link to the documents folder is below. As of 6/20/2016 the quantities in this file are estimates.

https://www.epaossc.org/site/doc_list.aspx?site_id=9504

Description	Containers		Total Quantity	Waste
	No.	Type		Codes
Construction and Demolition	9	DT	181 Tons	
Floor Solids	56	DT	1265 Tons	
Friable Asbestos contaminated C&D	3	DT	9 Tons	non-RCRA
NA3082 Hazardous Waste Liquid, N.O.S. (Benzene)	4	TT	1000 Gallons	D018
NA3082 Hazardous Waste Liquid, N.O.S. (Benzene, Selenium)	2	DM	100 Gallons	D010, D018
NA3082 Hazardous Waste, liquid, N.O.S. (1,1-Dichloroethylene)	7	DM	385 Gallons	D029
NA3082 Hazardous Waste, liquid, N.O.S. (Trichloroethylene)	21	DM	1,155 Gallons	D040
Non-DOT Non Hazardous, Non Regulated Solid, Non-RCRA	6	DM	1,800 Pounds	ID27
Non-DOT Non Hazardous, Non Regulated, Non-RCRA	12	DM	2,400 Pounds	ID72
Organic Liquids	2	TT	8,480 Gallons	H135
Organic Liquids	2	TT	39,608 Pounds	H135
RCRA Empty Drums	6	RO	85 Tons	
Solids in Containers	11	RO	149 Tons	non-RCRA

UN1170 Waste Ethanol	1	DM	50 Gallons	D001
UN1993 Waste Flammabe Liquids, N.O.S.	3	DM	150 Gallons	D001
UN1993 Waste Flammable Liquids, N.O.S. (Benzene)	5	DM	250 Gallons	D001, D018
UN2810 Waste Toxic, Liquids, Organic, N.O.S. (Heptachlor Expoxide)	9	TT	2250 Gallons	D031
Viscous Liquids/Sludges	5	TT	14,256 Gallons	non-RCRA

NOTES:
* Unless otherwise specified
No. = Number.
NY = New York
PA = Pennsylvania
NH = New Hampshire
CT = Connecticut
DT = Dump Truck.
RO = Roll-off
DM = Metal drums, barrels, kegs.
TT = Tank Truck
G = Gallons
T = Tons

2.2 Planning Section

2.2.1 Anticipated Activities

All on site removal action activities have been completed. The remaining off site activities include finalizing disposal weight slips and finalizing pending charges.

2.3 Logistics Section

None at this time.

2.4 Finance Section

2.4.1 Narrative

All ERRS costs include pending costs along with actual costs to date. ERRS costs are based on the 1900 generated on 06/30/2016 and START costs are estimated as of 07/14/2016.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining

Extramural Costs				
ERRS - Cleanup Contractor	\$1,860,000.00	\$1,681,516.53	\$178,483.47	9.60%
TAT/START	\$420,000.00	\$374,500.00	\$45,500.00	10.83%
ERT	\$50,000.00	\$35,000.00	\$15,000.00	30.00%
Intramural Costs				
Total Site Costs	\$2,330,000.00	\$2,091,016.53	\$238,983.47	10.26%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

2.5 Other Command Staff

2.5.1 Safety Officer

OSC Burgo
Anthony Honnellio EPA R1 Health & Safety Coordinator

2.5.2 Liaison Officer

OSC Burgo

2.5.3 Information Officer

OSC Burgo
Jim Murphy

3. Participating Entities

3.1 Unified Command

EPA Region 1

3.2 Cooperating Agencies

CT DEEP
Bridgeport Fire Department

4. Personnel On Site

All personnel and equipment were demobilized on 5/10/2016.

5. Definition of Terms

OSC - On-Scene Coordinator
START - Superfund Technical Assessment and Response Team
USCG-US Coast Guard
CTDEEP- Connecticut Department of Energy and Environmental Protection
ERT- Environmental Response Team
ERRS-Emergency and Rapid Response Services
EPA-Environmental Protection Agency
PRP- Potentially Responsible Party

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

None